



US 20210260298A1

(19) **United States**(12) **Patent Application Publication**
McCoy et al.(10) **Pub. No.: US 2021/0260298 A1**(43) **Pub. Date: Aug. 26, 2021**(54) **INTRADERMAL JET INJECTION
ELECTROPORATION***A61M 5/20* (2006.01)*A61M 5/24* (2006.01)*A61K 9/00* (2006.01)(71) Applicant: **Inovio Pharmaceuticals, Inc.**,
Plymouth Meeting, PA (US)*A61N 1/32* (2006.01)*A61M 5/315* (2006.01)*A61B 17/20* (2006.01)(72) Inventors: **Jay McCoy**, Temecula, CA (US); **Kate
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Diego, CA (US)(52) **U.S. Cl.**CPC *A61M 5/30* (2013.01); *A61M 5/172*(2013.01); *A61M 5/20* (2013.01); *A61M 5/24*(2013.01); *A61M 2205/82* (2013.01); *A61N**1/327* (2013.01); *A61M 5/315* (2013.01);*A61B 17/205* (2013.01); *A61K 9/0021*

(2013.01)

(21) Appl. No.: **17/314,860**(22) Filed: **May 7, 2021****Related U.S. Application Data**(62) Division of application No. 16/066,919, filed on Jun.
28, 2018, now Pat. No. 11,027,071, filed as applica-
tion No. PCT/US2016/068972 on Dec. 28, 2016.(60) Provisional application No. 62/271,969, filed on Dec.
28, 2015.**Publication Classification**(51) **Int. Cl.***A61M 5/30* (2006.01)*A61M 5/172* (2006.01)

(57)

ABSTRACT

A jet injection and electroporation device for use with an agent cartridge defining a volume containing a pre-measured dose of agent therein, the electroporation device including a housing having an axis extend therethrough, a nozzle at least partially positioned within the housing, and a cavity sized to receive at least a portion of the agent cartridge therein. The device also includes an array having a plurality of electrodes extending therefrom, a propulsion cartridge configured to operatively engage the cartridge when the agent cartridge is positioned within the cavity; and a power supply in electrical communication with the array.

